YEGOROV, Petr Ivanovich; TSFASMAN, Anatoliy Zakharovich; KLYACHKO, V.R., red.; BALDINA, N.F., tekhn. red.

[Radioactive iodine in the diagnosis and treatment of diseases of the thyroid gland] Radioaktivnyi iod v diagnostike i lechenii zabolevanii shchitovidnoy zhelezy. Moskva, Medgiz, 1962. 246 p. (MIRA 15:4)
(IODINE--ISOTOPES) (THYROID GLAND--DISEASES)

YEGOROV, P.I.; OSTAPYUK, F.Ye. (Moskva)

Treatment of coronary insufficiency. Vest.AMN SSSR 17 no.7:34-40 '62. (MIRA 15:10)

(CORONARY HEART DISEASE)

YEGOROV, P.I.; TSFASMAN, A.Z.; DIBIZHEVA, G.V.; STARYKH, I.F.

Some problems in the diagnostic use of radioisotopes $Cr^{51}$ in the determination of gastrointestinal hemorrhage and $I^{131}$ labeled rosé bengal in liver function tests. Vest. AMN SSSR, 18 no.10: 70-76 '63. (MIRA 17:6)

1. TSentral'nyy institut usovershenstvovaniya vrachey Ministerstva zdravookhraneniya SSSR.

YEGOROV, P.M.

USSR

621.317.329

4160. Experimental investigation of potential fields by means of conformally transformed models. P. M. Egorov. *Elektrichestvo*, 1954, *No.* 3, 6–13. *In Russian.*

When the geometrical configuration of the system investigated is unfavourable, the accuracy of the results obtainable in an electrolytic tank may be seriously impaired. The method of partial conformal transformation of the models was developed for such cases. In theoretically more difficult cases, the transformation may be carried out graphically and in the direction required by the experimental conditions. The models themselves not only become simpler, but their size is also reduced in the process. Furthermore, the parts of the field to which the main interest attaches may be separated for the investigation. It is also important that the transformed as well as the original boundary conditions may be considered. Many typical examples of transformed systems are shown, illustrating the graphical transformation method as well as the results obtainable, a theoretical appendix supporting the accuracy of the method.

B. F. KRAUS

Yegorov, P.M.

AID P - 2821

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 10/30

Author : Yegorov, P. M., Eng., Khar'kov

Title : Investigation of magnetic field vortex in an electrolytic tank

Periodical : Elektrichestvo, 6, 54-59, Je 1955

Abstract : The author summarizes the existing methods of field mapping and suggests a method of solving problems of potential theory with models in an electrolytic tank in which he replaces the vortex zones represented by diffused current sources with an equivalent electrode. The resulting field is obtained by superposing component fields of separate electrodes. The author presents the calculation of the dimensions of the electrodes and emphasizes the advantages of his method. He also describes the use of his method in the study of eddy magnetic fields of electrical machinery. Eleven diagrams

AID P - 282

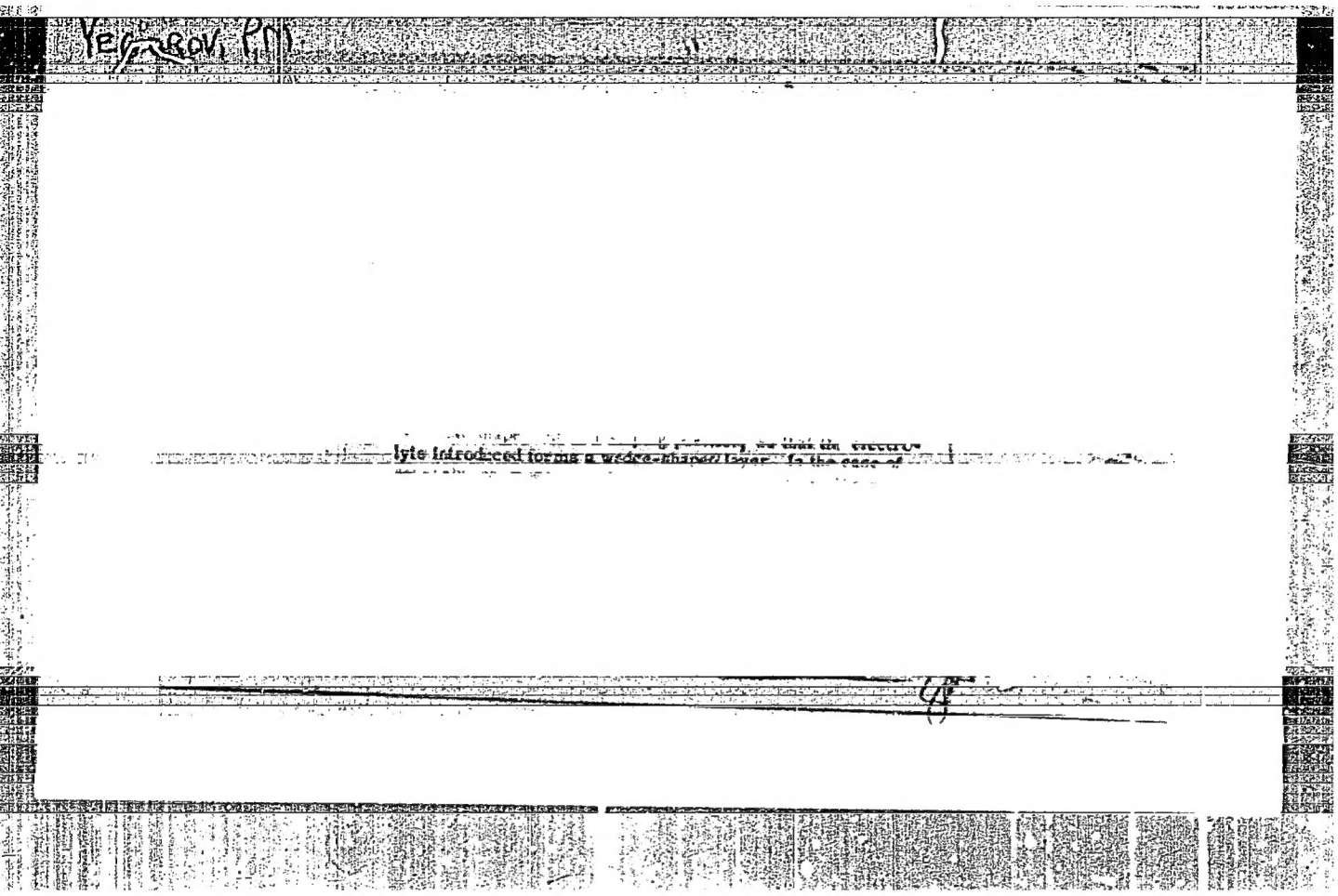
Elektrichestvo, 6, 54-59, Je 1955

Card 2/2 Pub. 27 - 10/30

and drawings, 7 references (2 Soviet) (1931-1954).

Institution : None

Submitted : D 28, 1954



YEGOROV, P.M. (g. Zvenigorod)

Clinical symptoms of Schuller-Christian disease with involvement of the maxillodental system. Stomatologiia 35 no.6:48-49 N-D '56 (MLRA 10:4)

(JAWS--DISEASES)

YEGOROV, P.M., aspirant

Clinical aspects of odontogenic inflammatory processes of the parotid masticatory region. Stomatologiia 38 no.6:19-26 N-D '59.
(MIRA 13:4)

1. Iz kafedry propedevtiki khirurgicheskoy stomatologii (zav. - dotsent G.A. Basil'yev) Moskovskogo meditsinskogo stomatologicheskogo instituta (direktor - dotsent G.N. Beletskiy) i Moskovskogo gorodskogo chelyustno-litsevogo gospitalya (glavnyy vrach - dotsent A.A. Kovner).
(JAWS--DISEASES)

BASSALYK, D.A.; YEGOROV, P.M.

Organization of practical work for students in the lower grades of medical schools. Zdrav. Ros. Feder. 4 no.12:21-23 D '60. (MIRA 13:12)

1. Iz Glavnogo upravleniya uchebnymi zavedeniyami Ministerstva zdravookhraneniya RSFSR.
(MEDICINE—STUDY AND TEACHING)

YEGOROV, P. M.

Cand Med Sci - (diss) "Odontogenic inflammatory processes in the otomasticatory area." Moscow, 1961. 20 pp; (Ministry of Public Health RSFSR, Moscow Med Stomatological Inst); 250 copies; price not given; (KL, 7-61 sup, 258)

YEGOROV, P.M., kand.med.nauk

"Harelip and cleft palate" by H.I.Gabka. Reviewed by P.M. Egorov. Stomatologiia 41 no.5:104-105 S-O '62. (MIRA 16:4)
(HARELIP) (CLEFT PALATE)

YEGOROV, P.M.

KRECHKO, Ya.V.; YEGOROV, P.M.

Using antibiotics in the treatment of inflammation processes in the tissues surrounding the jaws. Stomatologiia 35 no.4:39-41 Jl-Ag '56. (MLRA 10:4)

1. Iz kafedry propedevtiki khirurgicheskoy stomatologii (zav.-dotsent G.A.Vasil'yev) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir.-dotsent G.N.Beletskiy) i Moskovskogo chelyustno-litsevogo gospitalya(nachal'nik-kandidat meditsinskikh nauk A.A.Kovner).

(ANTIBIOTICS) (JAWS--DISEASES)

YEGUNOV, P.M., kand.tekhn.nauk

Aluminum radiators for diesel locomotives. Trudy TSNII MPS no.262:101-116 '63. (MIRA 16:10)

YEGOROV, P.M.

New spray-painting unit. Put' i put.khoz. 9 no.4:12 '65.
(MIRA 18:5)

1. Glavnyy inzh. distantsii puti, stantsiya Moskva-Savelovskaya.

YEGOROV, P.N., GUNDA, P.P.

Fishing--Implements and Appliances

Introducing stationary trap nets in the Kuban. Ryb. khoz. 28, no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, AUGUST 1952 1953. Unclassified.

YEGOROV, PETR NIKITOVICH

N/5
746.01
.Y4

TEKHNOLOGIYA VATY (ODEZHNOY I MEDITSINSKOY GRIGROSKOPICHESKOY) (TECHNOLOGY OF COTTON BATTING, BY P. N. YEGOROV (1) G. A. VAYNSHTEYN. MOSKVA, GIZLEGPROM, 1955.

180 (2) P. ILLUS., DIAGRS., TABLES.

BIBLIOGRAPHY: P. (181)

KONOBEYEVSKIY, S. T., ZAYMOVSKIY, A. S., LEVITSKIY, B. M., SOKURSKIY, Y. N., CHEBOTAREV, N. T., BOBKOV, V. V., YEGOROV, P. P., NIKOLAYEV, G. N. and IVANOV, A. A.

"Some Physical Properties of Uranium, Plutonium and Their Alloys."

paper to be presented at 2nd UN Int.' Conf. on the peaceful uses of Atomic Energy, Geneva, 1-13 Sept 58.

YEGOROV, Pavel Timofeyevich, kand.voyennykh nauk; KISELEV, S.P., inzh.-podpolkovnik, red.; KONOVALOVA, Ye.K., tekhn.red.

[Rocket missiles] Reaktivnoe oruzhie. Moskva, Voen.izd-vo M-va obor.SSSR, 1960. 224 p. (MIRA 13:7)
(Rockets (Ordnance))

JUN 25 1963

PHASE I BOOK EXPLOITATION S07/6215

Yegorov, Pavel Timofeyevich, Ivan Alekseyevich Shlyakhov, Terentiy Vasil'yevich Dolbnin (Deceased), and Viktor Stepanovich Mordvinov

Grazhdanskaya oborona (Civil Defense). Moscow, Gosizdat "Vysshaya shkola," 1962. 363 p. 40,000 copies printed.

Ed.: A. P. Martynov; Tech. Ed.: L. L. Yezhova.

PURPOSE: The book is intended as a textbook on civil defense for use in schools of higher education.

COVERAGE: The book includes necessary information on modern means of aerial attack, data on ordinary aerial bombs, and data on chemical, biological, and radiological (CBR) weapons taken from the literature of non-Soviet bloc countries. The problems of organizing civil defense are dealt with, and the steps to be taken in towns and other populated areas in order to reduce the danger of destruction of population and economic targets are discussed. Reconnaissance to determine extent and location of

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Civil Defense

destruction, and the conduct of emergency repair operations, first aid, and CBR decontamination are also treated. Problems associated with the organization of command and the coordination of action in an area of massive destruction are also considered. Four authors contributed to the writing of the book: Chs. I, II, III, VI, VII, VIII, VX, VXII, and VXIII were written by P. T. Yegorov; Chs. IV, IX, X, XI, and XIII by I. A. Shlyakhov; Chs. V, XIV, XVI, and XIX by T. V. Dolbnin; and Ch. XX by V. S. Mordvinov. In addition, Mordvinov collaborated with the authors of Chs. V, XIV, XVI, and XIX. There are 24 references, all Soviet (including 3 translations from English).

TABLE OF CONTENTS:



Card 2/12

YEGOROV, P.V.

Efficiency promotion and inventing in the construction operations of transportation industry. Transp.stroi. 10 no.7:4-5 Jl '60. (MIRA 13:7)

1. Glavnyy spetsialist Tekhnicheskogo upravleniya Mintransstroya.
(Transportation—Buildings and structures)
(Building—Technological innovations)

YEGOROV, P.V., inzh.; RAZNITSYN, Yu.N., inzh.

Complete satisfactoriness of surveying in mining enterprises. [Trudy] VNIMI no.45:10-11 '62. (MIRA 16:4)
(Mine surveying)

YEGOROV, P.V., Inzh.

Calculation of staffs of mine survey bureaus in mining enterprises. [Trudy] VNIMI no.50:382-385 '63.
(MIRA 17:10)

DUBYNIN, N.G.; BATUGIN, S.A.; YEGOROV, P.V.; ZEYTS, F.Yu.

Causes of the fracture of pillars and ore blocks at the Tashtagol mine.
Vop. gor. davl. no.18:34-54 '63. (MIRA 18:7)

YEGOROV, S.; KUL'MANOVA, V.

Reports of self-supporting organizations and their systematization in State Bank institutions. Den. i kred. 16 no.6:67-79 Je '58. (MIRA 11:7)

(Banks and banking)

YEGOROV, S., KORNEYEVA, R.

Increase control over the supply of commodity and material values.
Den. i kred. 18 no.3:9-16 Mr '60. (MIRA 13:2)
(Banks and banking) (Commodity control)

YEGOROV, S.; MORSIN, V.; KOVBASYUK, M.

For an efficient utilization of working capital. Den. i kred. 19 no.12:23-46 D '61. (MIRA 14:12)

(Capital)

YEGOROV, S., prof., doktor tekhn. nauk

Hydroelectric power stations without dams. NTO no.12:16-17 D '59
(Hydroelectric power station) (MIRA 13:3)

DANILOV, Dmitriy Ivanovich, inzh.; BELETSKIY, Vsevolod Vladimirovich, inzh.; GORYANSKIY, Yu.V., kand. tekhn. nauk, retsenzent; ORALOV, V.A., inzh., retsenzent; YEGOROV, S.A., insh., nauchnyy red.; SOSIPATROV, O.A., red.; CHISTYAKOVA, R.K., tekhn. red.

[Trailer and container vessels] Treilernye i kontejnernye suda. Leningrad, Sudpromgiz, 1963. 235 p. (MIRA 16:5)
(Ferries) (Unitized cargo systems)

BYKHOVSKIY, Izrail' Adol'fovich; YEFREMOV, K.P., kand. tekhn. nauk, retsenzent; LARKIN, E.E., kand. tekhn. nauk, retsenzent; YEGOROV, S.A., nauchn. red.; MISHKEVICH, G.I., red.; SHISHKOVA, L.M., tekhn. red.

[Atomic submarines] Atomnye podvodnye lodki. Izd.2., perer. i dop. Leningrad, Sudpromgiz, 1963. 230 p. (MIRA 17:1)

(Atomic submarines)

TRUSOV, Grigoriy Martynovic [1889-1960]; ZALESSKIY, N.A., kand. tekhn. nauk, retsenzent; MATVEYEV, V.I., kontr-admiral, retsenzent; YEGOROV, S.A., nauchn. red.; KAZAKOV, Yu.S., red.; KOROVENKO, Yu.N., tekhn. red.

[Submarine boats in the Russian and the Soviet fleets] Podvodnye lodki v russkom i sovetskom flote. Izd.2., ispr. i dop. Leningrad, Sudpromgiz, 1963. 439 p. (MIRA 17:2)

YEGOROV, S. A. Prof.

"Ejection Under Water at Hydro Stations as a Means of Restoring Pressure in the Flood," abstracted in Gidrotekh. stroi., Nos. 5/6, pp. 28-29, 1946

MEI - Moscow Order of Lenin Power Engr. Inst. im V.M. Molotov

YEGOROV, S. A. (Professor)

"Viscous Waves and Reynold's Criterion," Gidrotekh. Stroit. (Hydrotechnical Construction), No 12, 1946 (11-13).
(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

USSR/Engineering - Welding Aug 49
New Techniques

"Welding of Electric Rivets Under a Flux Layer Without a Hole in the Upper Sheet," S. A. Yegorov, "Proyektstal'konstruktsiya" Trust, K. I. Mironov, N. G. Savchenko, Lyanozovo Car Constr Factory, 1 1/3 pp

"Prom Energet" No 8

Describes new welding technique which is superior to spot welding. Process employs electrode pressure and currents above 500 amp, and can be used with or without holes in the top sheet.

152T30

USSR/Engineering - Welding (Contd) Aug 49

Various branches of industry have adopted this process, in particular the transport and agricultural industries. Recommends development of multielectrode models designed for equal loading of three-phase lines with substantial power savings.

152T30

YEGOROV, S. A.

USSR/Engineering - Hydroelectric Plants Aug 49
Flood Control

"Ejection Into the Tailrace at Small Hydrostations," Prof S. A. Yegorov, 6 pp

"Gidrotekh Stroi" No 8

Suggests method which would improve control of floodwaters and make small hydroelectric stations more effective. In this method, the floodwaters are discharged by ejection equipment directly through the machine room. Shows theoretically how the system would work in the Berezayka hydroelectric station. For a maximum flood of 180 cubic meters/sec, the power of a station with

65/49T43

USSR/Engineering - Hydroelectric Plants Aug 49
(Contd)

designed power of 144 kw drops to 53 kw, while by making use of ejection into the tailrace, it can be restored to 88 kw.

65/49T43

YEGOROV, S. A.

PA 167T86

USSR/Metals - Welding Oct 50

"Method of Joining With Electric Rivets," S. A. Yegorov, Engr, Cen Sci Inst of Ind Structures

"Avtogen Delo" No 10, pp 20-24

Method is based on following properties of welding process under flux: possibility of forming arc (at current not less than 400-500 a) by slight contact of electrode with base metal; ability of electrode to melt up to 15-35 mm; ability of deep penetration to 20 mm on using current up to 4,000-5,000 a. Gives procedure and results of using method in bridge repair works since 1945. Method is also

167T86

USSR/Metals - Welding (Contd) Oct 50

used in locomotive and ship building with high efficiency.

167T86

YEGOROV, S. A., Engr

YEGOROV, S. A.

"Ejection into Downstream Water of Hydroelectric Stations." Sub 2 Jun 51, All-Union Sci Res Inst of Water Supply, Sewerage, Hydraulic Structures and Engineering Hydrogeology (VODGEO)

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55.

YEGOROV, S. A.

Reinforced Concrete Construction

Butt welding of reinforcements in assembly position. Stroi. prom. 30 no. 3, 1952.

Monthly List of Russian Accessions. Library of Congress, August 1952. Unclassified

YEGOROV, S.A.

MOSTKOV, M.A.; YEGOROV, S.A.; ROZOVSKIY, I.L., kandidat tekhnicheskikh nauk; SMYSLOV, V.V., kandidat tekhnicheskikh nauk.

Coefficient of flow over an ideal spillway having a wide crest. Gidr.stroi. 22 no.11:39-41 N-D '53. (MLRA 6:11) (Spillways)

1. YEGOROV, S.A.

2. Spot welding of reinforcing rods, Eng. Stroi.prom. 31 no. 4, 1953.

4. Concrete, Reinforced

7. Spot welding of reinforcing rods, Eng. Stroi.prom. 31 no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

YEGOROV, S.A.

MOSTKOV, M.A., professor, doktor tekhnicheskikh nauk; YEGOROV, S.A., doktor tekhnicheskikh nauk.

Constructing a stable channel profile. Gidr.stroi. 23 no.3:41-42 '54. (MLRA 7:6)

(Hydraulic engineering)

YEGOROV, S.A., doktor tekhnicheskikh nauk.

Determining the thickness of a stream on the curved ledge of a spillway dam. Gidr.stroi. 23 no.5:42 '54. (MLRA 7:8)
(Hydrodynamics)

YEGOROV, S.A., doktor tekhnicheskikh nauk.

Hydraulic resistance of a screen. Gidr.stroi 23 no.7:42-43 '54.
(Screens) (Hydraulics) (MLRA 7:11)

8(6), 14(10)

SOV/112-59-3-4637

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 3, p 50 (USSR)

AUTHOR: Yegorov, S. A., and Silkin, V. T.

TITLE: Effect of Hydroelectric-Powerhouse Wings on the Turbine Head (Vliyaniye formy otkrylkov zdaniya gidroelektrostantsii na napor turbiny)

PERIODICAL: Tr. Gigroproyekta, 1958, Nr 1, pp 74-76

ABSTRACT: Effect of the tailwater wing was studied on a 1:100 scale model of the Kuybyshev hydroelectric generating station. Comparative tests were conducted for two outlines of the walls: (1) the vertical wall and (2) the vertical lower part of the wall with a 1:4 bevel in the upper part. The experiments showed that with the wings and with the constant turbine discharge, the whirlpool in the tailwater is eliminated and the turbine head increases by 15-20 cm; this value is practically independent of the head or discharge of water through turbines and spillways of the station. The effect of the forebay whirlpool was studied on a 1:100 scale model of the Stalingrad hydroelectric station. The upper wing

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8(6), 14(10) SOV/112-59-3-4637

Effect of Hydroelectric-Powerhouse Wings on the Turbine Head

of the powerhouse increases the turbine head by 12-18 cm as compared with the case of connection with the powerhouse by a guiding earth dike. The experiments showed that, in the case of low-head and medium-head hydroelectric stations, the vertical wings have an appreciable positive effect on their head and output.

Yu.M.S.

Card 2/2

BOZHICH, Sergey Petrovich; FIDMAN, B.A., doktor tekhn.nauk, retsenzent; MAKSIMOV, L.S., inzh., retsenzent; YEGOROV, S.A., doktor tekhn. nauk, nauchnyy red.; MAR'YANSKIY, L.P., red.; SOKOL'SKIY, I.F., tekhn.red.

[Statistical regularities of stationary random processes; based on the results of measuring pressure pulsation at the boundary of a turbulent flow] Nekotorye statisticheskie zakonomernosti statsionarnykh sluchainykh protsessov; po rezul'tatam izmerenii pul'satsii davleniia na granitse turbulentnogo potoka. Moskva, Vses.proektno-izyskatel'skii i nauchno-issl.in-t "Gidroproekt" im. S.IA.Zhuk, 1959. 24 p. (Tekhnicheskoe soobshchenie, no.7). (MIRA 13:9)

(Fluid dynamics) (Probabilities)

BOMBCHINSKIY, V.P.; VTOROV, N.A.; DUNDUKOV, M.D.; YEGOROV, S.A., doktor tekhn.nauk, prof.; YERMOLOV, A.I.; ZAVORUYEV, V.P.; KALININ, V.V.; KACHEROVSKIY, N.V.; KUZNETSOVA, A.K.; KUZ'MIN, I.A., kand.tekhn. nauk; MEDVEDEV, V.M., kand.tekhn.nauk; MIKULOVICH, B.F.; MIKHAYLOV, V.V., kand.tekhn.nauk; PETRASHEN', R.N.; REYZIN, Ye.S.; SINYAVSKAYA, V.M.; KHAITURIN, A.D.; SHCHERBINA, I.N., kand.tekhn.nauk; SEVAST'YANOV, V.I., red.; KARAULOV, B.F., retsenzent; LOVETSKIY, Ye.S., retsenzent; MIKHAYLOV, A.V., doktor tekhn.nauk, retsenzent; NATANSON, A.V., retsenzent; SOKOL'SKIY, M.M., retsenzent; STANKEVICH, V.I., retsenzent; FREYGOFER, Ye.F., retsenzent; GOTMAN, T.P., red.; VORONIN, K.P., tekhn.red.

[Work of the All-Union Scientific Research Institute for the Study and Design of Hydraulic Structures] Nauchno-issledovatel'skie raboty Gidroproekta. Pod obshchei red. V.I.Sevast'ianova. Moskva, Gos.energ.izd-vo, 1961. 214 p. (MIRA 15:2)

1. Moscow. Vsesoyuznyy proyektno-izyskatel'skiy i nauchno-issledovatel'skiy institut Gidroproyekt imeni S.Ya.Zhuk. Nauchno-issledovatel'skiy sektor.
(Hydraulic engineering--Research)

YEGOROV, S.A.

An energy interpretation of the concept of pressure in a liquid. Izv. vys.uch.zav.; stroi. i arkhit. 5 no.4:123-126 '62. (MIRA 15:9)

1. Moskovskiy avtomekhanicheskiy institut.
(Hydrodynamics)

TSIREL'SON, Simon Aronovich; RAZRAN, Mikhail Avraamovich. Prinimala uchastiye TSIREL'SON, E.A.; MIROPOL'SKIY, S.V., kand. biol. nauk, retsenzent; CHICHENEV, A.I., inzh., retsenzent; BOBOSHKO, S.B., nauchnyy red.; GORDON, L.A., nauchnyy red.; YEGOROV, S.A., nauchnyy red.; KAZAROV, Yu.S., red.; KRYAKOVA, D.M., tekhn. red.

[Livability on board ships]Obitaemost' sudov. Leningrad, Sudpromgiz, 1963. 266 p. (MIRA 16:3)
(Merchant seamen--Accommodations on shipboard)
(Ships--Heating and ventilation)

YEGOROV, S.A., doktor tekhn.nauk, prof.

"Hydraulic power amplifiers" by V.A.Khokhlov. Reviewed by S.A.Egorov. Izv. vys. ucheb. zav.; energ. 6 no.4:130-132 Ap '63. (MIRA 16:5)

1. Moskovskiy avtomekhanicheskiy institut.
(Hydraulic control) (Khokhlov, V.A.)

YEGOROV, S.A., doktor tekhn.nauk, prof.

"Hydraulic power amplifiers" by V.A.Khokhlov. Reviewed by S.A.Egorov. Izv. vys. ucheb. zav.; energ. 6 no.4:130-132 Ap '63. (MIRA 16:5)

1. Moskovskiy avtomekhanicheskiy institut. (Khokhlov, V.A.)
(Hydraulic control)

YEGOROV, S.A., prof.

Concerning the flow of a liquid in a coiled pipe. Izv. vys. ucheb. zav.; energ. 5 no.9:119-120 S '62. (MIRA 15:10)

1. Moskovskiy avtomekhanicheskiy institut.
(Fluid dynamics)

YEGOROV, S.A., prof.

Terminology on vane pumps. Izv. vys. ucheb. zav.; energ. 6 no.7:126-127 Jl '63. (MIRA 16:8)

1. Moskovskiy avtomekhanicheskiy institut.
(Pumping machinery—Terminology)

LUCHANSKIY, Iosif Aleksandrovich; YANOVSKIY, Aleksandr Aleksandrovich; ROZHDESTVENSKIY, V.V., dots., retsenzent; FATSMAN, F.M., inzh., retsenzent; YEGOROV, S.A., nauchn. red.; LISOK, E.I., red.

[From the oar to the water jet propeller] Ot vesla do vodometa. Leningrad, Izd-vo "Sudostroenie," 1964. 208 p.
(MIRA 17:5)

TOMAKOV, Andrey Aleksandrovich; DRUZHININ, V.V., kand. tekhn. nauk, retsenzent; PEREGUDOV, V.N., inzh., retsenzent; YEGOROV, S.A., nauchn. red.; OSVENSKAYA, A.A., red.

[Submarine transport boats] Podvodnye transportnye suda. Leningrad, Sudostroenie, 1965. 266 p. (MIRA 18:3)

S/598/61/000/006/008/034
D228/D303

AUTHORS: Ogurtsov, S.V., Reznichenko, V.A., and Yegorov, S.I.

TITLE: Investigating the sodiothermic method of titanium preparation

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Titan i yego splavy. no. 6, 1961. Metallotermiya i elektrokhimiya titana, 50 - 59

TEXT: In this work the authors' aim was to secure information on certain insufficiently-studied aspects of the sodiothermic method of $TiCl_4$ reduction: The effect of subsequent additions of the reducer on the distribution of the reaction products; the character of the temperature distribution with respect to the reactor's height; and the influence of thermal conditions on the sponge's fractional composition. Their apparatus consisted of a distillation crucible, a feeder with a stop-rod and leveler, and a reactor. The temperature was maintained at 650 - 750° or above 800° during the experiments. Three thermocouples were fitted to the side of the beaker,

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their positions corresponding to the original level of the liquid Na, the final level of the reaction products, and the level of the gaseous phase. Tests on the distribution of the reaction products in the interval 650 - 750° disclosed that the addition of liquid Na in the first and second periods of the reaction decreases the size of the void at the bottom of the beaker, which thus permits the more efficient use of the reactor's full volume; moreover the reaction volume increases as the amount of the original sodium charge decreases, since the sponge starts to grow above the level of the molten reducer. Above 800°, however, this effect is lessened, and the results of experiments conducted with the subsequent addition of liquid Na differ little from those where all the Na is initially added. As regards the fractional composition of the sponge, the authors' data indicate that Ti conglomerates somewhat more in the finer fractions at 650 - 750° than is the case in reductions carried out at >800°, the respective contents of the >30-mesh fraction being 55 % and 64 %. But on the addition of the reducer at 650 - 750° in the first half of the process -- and at >800° in the second period -- the fractional composition is the same as in tests

performed solely at the latter temperature. There also appears to be little difference in the fractional composition of sponge produced at high temperatures in the laboratory and sponge taken from the sides and center of industrial reactors. The study of the temperature distribution at three different levels in the reactor shows that the gaseous phase at first has the highest temperature; however, it falls well below the temperature of the reaction products towards the end of both the first and second stages of the process. The authors hence conclude that in low-temperature reactions the reduction proceeds through the intermediate layer of the titaneous chlorides. Above 800° this layer expands, and the gradual reduction of the $TiCl_4$ by Na occurs chiefly in the gaseous phase. Processes of the prereduction by Na of the titanous chlorides dissolved in molten NaCl obtain a considerable development at the very end of the reaction. There are 4 figures and 1 table.

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S/598/61/000/006/009/034
D228/D303

AUTHORS: Ogurtsov, S.V., Reznichenko, V.A., Karpenko, O.A., and Yegorov, S.I.

TITLE: The two-stage method of the sodiothermic preparation of titanium

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Titan i yego splavy. no. 6, 1961. Metallotermiya i elektrokhimiya titana, 60 - 67

TEXT: In re-examining the two-stage method for the sodiothermic production of Ti the authors' aim was to secure information on the optimum temperature conditions for the formation of "black salt"- $13NaCl \cdot 3TiCl_3 \cdot 2TiCl_2$; the distribution of the reaction products during the prereduction of this compound; the influence of both the rate of Na input and the excess of NaCl on the crystallization of Ti; and the main structure of the resulting metal. "Black salt" crystallizes in one of the lower systems, and has a refractive-index and melting-point of 1.66 - 1.68 and 502 - 503° respectively;

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it arises as an intermediate product in the first stage of the sodiothermic process and eliminates the formation of finely-dispersed Ti -- a possible source of metal contamination. The work was done in a laboratory reactor fitted with a distillation crucible and a feeder for the liquid reducing-agent which was added either rapidly (in 1 or 2 portions) or slowly in small successive increments. The experimental data show that a homogeneous crystalline mass of "black salt" may be obtained in all cases, particularly at 750 - 850°. The simultaneous addition of all reagents gives a fine sponge. But coarser dendritic material -- with crystal dimensions of up to 25 mm and having the properties of "iodide" Ti ($H_B$ = 90) -- is formed on the addition of liquid Na to molten "black salt" at 650 - 750°. The slow rather than the rapid addition of Na also promotes the growth of coarser Ti. Structures identified by the authors include compact sponge consisting of a homogeneous mass of small grains, dendritic material, and acicular material with discrete Ti crystals whose size is increased by decreasing the rate of the reducer's input. However, in the event of an excess of NaCl over the amount required for the formation of "black salt", the rapid addi-

tion of the reducer is conducive to the development of large crystals. The author conclude that the further elaboration of this method could lead to both the decreased consumption of Na and Cl in the sodiothermic process and the considerable improvement of the quality of the end-product. There are 4 figures.

Card 3/3

YEGOROV, S.M.

YEGOROV, S.M.; KLUSHIN, D.N.; FISHER, A.Ya.; SHESTERNIN, P.S.

Vacuum dezincing of brass. TSvet.met. 28 no.6:32-36 N-D '55.
(MIRA 10:11)

(Brass) (Zinc) (Metallurgical furnaces)

PHASE I BOOK EXPLOITATION SOV/3699

Goryachev, A.P., S.M. Yegorov, I.S. Fatiyev, and V.A. Semenov

Argono-dugovaya svarka i payka titana (Argon Arc Welding and Soldering of Titanium), Leningrad, 1957. 34 p. (Series: Informatsionno-tekhnicheskiy listok, No. 80-81. Svarka i payka metallov) 6,200 copies printed.

Ed.: Z.M. Ryzhik, Engineer; Tech. Ed.: T.B. Klopova.

PURPOSE: This book is intended for welders.

COVERAGE: Manual and automatic methods of welding titanium with and without filler metal are explained. Soldering and brazing methods are discussed and fluxes and protective gases are described. There are 11 references: 7 Soviet, and 4 English.

TABLE OF CONTENTS: None given [book divided as follows].



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Argon Arc Welding (Cont.) SOV/3699



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Argon Arc Welding (Cont.) SOV/3699



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VK/gmp
6-7-60

YEGOROV, S.M.; KOMAROV, A.M.

Nonferrous-metal pipe plant of the British Company Imperial Chemical Industries ( to be concluded). Biul.TSIIN tsvet.met. no.17:38-3 of cover '57. (MIRA 11:7)
(Great Britain--Pipe, Copper)

YEGOROV, S. M.

137-58-5-9643

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 112 (USSR)

AUTHORS: Yegorov, S. M., Komarov, A. M.

TITLE: Imperial Chemical Industries Nonferrous Tube Mill (Zavod po proizvodstvu trub iz tsvetnykh metallov angliyskoy firmy Imperial Kemikel Indastris)

PERIODICAL: Byul. tsvetn. metallurgii, 1957, Nr 18, pp 37-41

ABSTRACT: A process drawing (D) Cu and Al tubing (T) on vertical and horizontal draw blocks (B) is described. The vertical B have overhead drive. A distinctive feature of the vertical and horizontal B is the absence of undercut fillets. The T is wound on the B in uniform turns by automatic translation of the dieholder in the required direction by a special drive.

V. O.

1. Copper tubing--Production 2. Aluminum tubing--Production
3. Industrial plants--Equipment

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S.M. Voitovich

25(1) PHASE I BOOK EXPLOITATION SOV/2030

Svarka abornik statey, (vyp.) 1 (Welding; Collection of Articles, No. 1) Leningrad, Sudpromgiz, 1958. 246 p. 4,000 copies printed.

Resp. Ed.: G. I. Kapitsa, Candidate of Technical Sciences; Ed.: I. A. Zaymanskaya; Tech. Ed.: K. N. Volchok.

PURPOSE: This collection of articles is intended for use in research institutes, institutes of higher learning, design offices, and plants.

COVERAGE: These technical papers deal with the results of research in welding technology. The main purpose of this work was to investigate the effects of various welding regimes and heat treatments on the mechanical properties of welds of austenitic and perlitic composition. A number of experiments also dealt with the welding properties and weldability of titanium-base alloys and a number of nonferrous metals. One of the objects of the research was to establish the relationship between the geometry of the weld seam and its physical properties. The crystallization of the weld, its mechanical properties, and the various factors affecting the grain structure of the metal were studied by a number of scientists. Of special practical interest is the study of the behavior of a welded structure in which the elasticity of the material and of the welded joint are not within the same range. These considerations lead to experiments with mechanically induced changes in the properties of the weld seam. Another problem which presents many difficulties in welding is the behavior and changes in the heat-affected zone next to the welded joint. One of the papers deals with experiments in this field. A description is given of the equipment and the technique used in electronic welding, which is regarded as one of the major advances in modern welding technology. Several papers deal with welding techniques of nonferrous alloys and with the use of special fluxes for this work. Most of the papers are profusely illustrated with graphs, diagrams, and photographs. References are given after each article.

TABLE OF CONTENTS:



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YEGOROV, S.M.

New aluminum-base alloy, "Hiduminium 100." Biul. TSIIN tsvet. met. no.4:33-34 '58. (MIRA 11:5)

(Hiduminium 100)

55663

S/137/60/000/012/019/041
A006/A001

1-2360

Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No. 12, p. 135, # 29135

AUTHOR: Yegorov, S.M.

TITLE: Automatic Welding of Titanium in Shielding Gas

PERIODICAL: Tr. Nauchno-tekhn. o-va sudostroit. prom-sti, 1959, No. 33, pp. 85 - 92

TEXT: The author studied methods of automatic welding of Ti in inert gases with tungsten electrode without filler metal (I) and with consumable electrodes (II). He established that the method I can be employed for welding $\leq 3$ mm thick Ti-sheets in one pass using copper shaping paddings. Welding process can be conducted in argon or a mixture of 80% He and 20% argon. Using the method II least spattering and best seam formation occurs when welding on current of direct polarity with a thin wire (1.2 - 2 mm) in a mixture of 80% He and 20% argon. Preliminary degassing of the wire in a vacuum (5 hours at 900°C in a vacuum of $3 \times 10^{-5}$ mm Hg) reduced the $H_2$ content in the wire and in the

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Automatic Welding of Titanium in Shielding Gas

seam by about twice (from 0.0023 to 0.001% and from 0.0057to 0.0024% respectively), somewhat improved the plastic properties of the weld metal and raised considerably $a_k$. When producing V-welds with 14 mm thick Ti, $a_k$ of the seam metal increased from 3.0 to 7.6 kg/cm$^2$.

G. N.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

YEGOROV, S.M., inzhener.

Standards for methods of determining the limits of plasticity of bound soils. Gidr.stroi. 25 no.2:48-50 '56. (MLRA 9:8)
(Soil mechanics)

SOV/124-58-10-11625

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 10, p 132 (USSR)

AUTHOR: Yegorov, S. N.

TITLE: The Compression Index and Resistance to Shear of Some Clays Depending Upon Their Porosity, Humidity, and Hydrophilic Activity (Szhimayemost' i soprotivleniye sdvigu nekotorykh glinistykh gruntov v zavisimosti ot ikh poristosti, vlazhnosti i gidrofil'nost')

PERIODICAL: Tr. Soveshchaniya po inzh.-geol. svoystvam gorn. porod i metodam ikh izucheniya. Moscow, 1957, pp 126-128

ABSTRACT: Theses of a report are given with qualitative evaluation of the results of investigations performed on the determination of the resistance to shear of certain genetic types of clay.

A. S. Stroganov

Card 1/1

GALAKTIONOV, V.D., kand.geol.-min.nauk; GORETSKIY, G.I., doktor geol.-min. nauk; DURANTE, V.A., kand.tekhn.nauk; ZUBKOVICH, M.Ye., kand.geol.-min.nauk; KAVEYEV, T.S., kand.geol.-min.nauk; POKROVSKAYA, N.M., kand.geol.-min.nauk; BRASHNINA, A.N., inzh.; YEGOROV, S.N., inzh.; KUMSKOVA, O.G., inzh.; LOVETSKIY, Ye.S., inzh.; MAMENKO, G.K., inzh. MILIKHIKER, Sh.G., inzh.; SINYAKOV, N.P., inzh.; SERGEYEVA, N.A., red.; VORONIN, K.P., tekhn.red.

[Geology of the Volga-Don Canal region] Geologiia raiona sooruzhenii Volgo-Dona. Pod red. V.D.Galaktionova. Moskva, Gos.energ.izd-vo, 1960. 416 p. fold.col.map. (MIRA 13:10)

1. Moscow. Vsesoyuznyy proyektno-izyskatel'skiy i nauchno-issledovatel'skiy institut "Gidroproyekt" imeni S.Ya.Zhuk.
(Volga-Don Canal region--Geology)

YEGOROV, S.N. (Stalingrad)

Stabilizing sagging soils by heavy ramming and without using moisture under winter conditions. Osn., fund.i mekh.grun. 2 no.3:18-2( '60. (MIRA 13:7)
(Soil stabilization--Cold weather conditions)

YEGOROV, S.N., inzh.

Compressibility of clayey soils. Trudy Gidroproekta 3:75-90 '60.
(MIRA 13:7)

1. Stalingradskiy filial Vsesoyuznogo proyektno-izyskatel'skogo i nauchno-issledovatel'skogo instituta "Gidroproyekt" imeni S.Ya. Zhuka.

(Soil mechanics) (Clay)

YEGOROV, S.N., inzh.; VAGAPOV, A.A., inzh.

Strengthening low-moisture sagging soils. Prom. stroi. 39 no.5:55-56 '61. (MIRA 14:7)
(Soil stabilization)

YEGOROV, S.N. (Volgograd)

The problem of determining indices of shear resistance and compressibility of cohesive soils according to their physical properties. Osn., fund.i mekh.grun. 4 no.1:25-28 '62.
(MIRA 16:2)

(Soil mechanics)

YEGOROV, S.N.

Tables of the calculated characteristics of soils. Osn., fund. i mekh. grun. 5 no.1:20-21 '63. (MIRA 16:5)
(Soil mechanics—Tables, calculations, etc.)

YEGOROV, S.N.

Standard and calculation indices of the resistance to displacement of some soil types in the Volgograd region. Izv. vys. ucheb. zav.; geol. i razv. 7 no.1:95-98 Ja '64 (MIRA 18:2)

1. Volgogradskiy institut inzhenerov gorodskogo khozyaystva.

YEGOROV, S.P.; MEL'NIKOV, A.M.

Petroleum resources of the Tatar A.S.S.R. Uch.zap.Kaz.un. 115 no.10:93 '55. (MLRA 10:5)
(Tatar A.S.S.R.--Petroleum geology)

YEGOROV S. P.

NALIVKIN, V.D.; ROZANOV, L.N.; FOTIADI, E.E.; YEGOROV, S.P.; YENGURAZOV, I.I.; KOVALEVSKIY, Yu.S.; KOZACHENKO, A.A.; KONDRAT'YEVA, M.G.; KUZNETSOV, G.A.; KULIKOV, F.S.; LOBOV, V.A.; SOFRONITSKIY, P.A.; TATARINOV, A.I.; PRITULA, Yuriy Aleksandrovich, redaktor; DAYEV, G.A., vedushchiy redaktor; GENNAD'YEVA, I.M., tekhnicheskiy redaktor.

[Volga-Ural oil-bearing region: Tectonics] Volgo-Ural'skaia neftenosnaia oblast'. Leningrad, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1956. 312 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologo-razvedochnyi institut. Trudy, no.100) [Microfilm] (MLRA 10:4)

(Volga Valley--Petroleum geology)
(Ural Mountain Region--Petroleum geology)

YEGOROV, S.P.

New tectonic plan of the Tatar A.S.S.R. and adjacent areas in Kirov Procince and the Udmurt A.S.S.R. Geol. nefti i gaza 4 no. 12:4-7 D '60. (MIRA 13:12)

1. Trest Tatneftegazrazvedka.
(Volga Valley--Geology, Structural)

YEGOROV, S.S., kand. tekhn. nauk

Plastics as building material for marine steam turbine plants.
Sudostroenie 30 no.8:21-23 Ag '64. (MIRA 18:7)

YEGOROV, S.S., kandidat tekhnicheskikh nauk.

Efficiency of transmission gearing used in marine engines.
Vest.mash.27 no.3:24-25 '47. (MLRA 9:4)
(Marine engines--Transmission devices)

L 40846-66 EWT(1) GW

ACC NR: AP6011372 (N) SOURCE CODE: UR/0362/66/002/003/0305/0307

AUTHOR: Gurvich, A. S.; Yegorov, S. T.

35
B

ORG: Institute of Atmospheric Physics (Institut fiziki atmosfery)

TITLE: Determination of the temperature of the ocean surface by its thermal radio emission

SOURCE: AN SSSR. Izvestiya. Fizika atmosfery i okeana, v. 2, no. 3, 1966, 305-307

TOPIC TAGS: ocean property, radio emission, temperature measurement

ABSTRACT: The results of an experimental check of the possibility of determining the temperature distribution of the ocean surface from an aircraft on the basis of its radio emission are given. Formulas are given for the antenna temperature of the radio emission receiver, brightness temperature of the radiating surface, and depth of penetration of centimeter waves into the oceanic water. The greatest divergence between the values of measuring the water temperature directly from ships and those determined from an aircraft did not exceed 1.5—2.5C at a temperature contrast of about 10—12C. The results of the experiment confirm the possibility of aircraft determination of temperature distribution and the detection of ice on the surface from its radio emission. The author thanks N. V. Roslov and D. T. Matveev who participated in the measurements. Orig. art. has: 2 figures and 4 formulas. UDC: 551.521.2

MLP

Card 1/1 SUB CODE: 08, 09/ SUBM DATE: 230ct65/ ORIG REF: 005/ OTH REF: 001

TOLSTIKHIN, N.I.; YEGOROV, S.V.

Role of landlocked basins in the drainage of water-bearing horizons of northern Kazakhstan. Zap. LGI 34 no.2:61-69 '58. (MIRA 12:6)

(Kazakhstan--Water, Underground)

YEGOROV, S. V., Candidate Geolog-Mineralog Sci (diss) -- "The hydrogeology of the Kazakh portion of the west Siberian lowland". Leningrad, 1959. 26 pp (Min Geology and Protection of Natural Resources USSR, All-Union Sci Res Geol Inst (VSEGEI)), 100 copies (KL, No 25, 1959,129)

ALESKEROVA, Z.T.; YEGOROV, S.V.; OSENKO, T.I.; ROSTOVTSEV, N.N.; DALMATOV, P.S., vedushchiy red.; GANNAD'YEVA, I.M., tekhn.red.

[Geology, hydrogeology, and oil and gas potentials of the Petropavlovsk area in the West Siberian Plain, based on deep drilling data] Geologicheskoe stroenie, gidrogeologiia i perspektivy neftegazonosnosti Petropavlovskogo raiona Zapadno-Sibirskoi nizmennosti po dannym glubokogo bureniia. Leningrad, Gos.nauchn.-tekhn.izd-vo neft.i gorno-toplivnoi lit-ry Leningr.otd-nie, 1959. 117 p. (Leningrad, Vsesoiuznyi geologicheskii institut. Trudy no.25). (MIRA 12:12)
(West Siberian Plain--Petroleum geology)
(West Siberian Plain--Gas, Natural--Geology)

YEGOROV, S.V.

Practical use of underground waters of Mesozoic sediments of the West Siberian Plain. Trudy SNIIGGIMS no.1:120-125 '59.
(MIRA 15:4)

(West Siberian Plain--Water, Underground)

YEGOROV, S. V.

"High-speed cutting of metals with KBYeK tools", by V. A. Krivoukhov, B. Ye. Brushteyn, S. V. Yegorov, and D. N. Kozlov, Vestnik mashinostroyeniya, 1948, No. 12, p. 37-42.

SO: U-2888, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No.2, 1949).

EGOROV, S. V.

Teplovydelenie pri deformatsii metallov v protsesse rezaniia, kak kriterii obrabatyvaemosti metallov. (Vestn. Mash., 1951, no. 7, p. 38-43)

Includes Bibliography. DLC: TN4.V4

(Heat liberation during the deformation of metals in the cutting process as a criterion for the machinability of metals.)

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

YEGOROV, S.V.

Milling of plastics by cutters with ceramic tool bits. Stan.i instr. 24 no. 10:25-27 O '53. (MLRA 6:11)

(Cutting machines) (Plastics)

YEGOROV, S.V., dotsent, kandidat tekhnicheskikh nauk; KUZNETSOVA, A.V., inzhener.

Practical machining of textolite and glass textolite. Vest.mash. 33 no.10: 41-44 O '53. (MLRA 6:10)
(Plastics)

YEGOROV, S.V., dotsent, kandidat tekhnicheskikh nauk.

Investigation of chip formation processes by means of high-speed moving pictures. Vest.mash. 33 no.11:70-74 N '53. (MLRA 6:12)
(Metal cutting)

YEGOROV, S. V.

USSR/Engineering - Structural plastics

Card 1/1 Pub. 103 - 8/24

Authors : Yegorov, S. V.

Title : Effect of temperature on the durability of the tool during treatment of structural plastics

Periodical : Stan. i instr. 11, 20-21, Nov 1954

Abstract : In order to explain the effect of temperature on the wear resistance of tools, during the machining of plastic objects, the author investigated the temperatures of the cutting process during lathe machining of phenoplast K-18-2 and aminoplast MF. It was found that a highly thermal resistant material like thermocorundum, which has a critical temperature of 1200°, was the least stable in comparison with tools made of hard alloys (VK6, VK8), which appeared to be quite wear resistant during machining of plastics. The cause for greater wear of ceramic plates (thermocorundum) is their greater friction coefficient and lesser resistance to abrasive wear. Drawings.

Institution : ...

Submitted : ...

YEGOROV, Sergey Vasil'yevich; CHERVYAKOV, Arkadiy Grigor'yevich; BRUSHTEYN, B.Ye., kandidat tekhnicheskikh nauk, redaktor; MOROZOV, A.P., kandidat tekhnicheskikh nauk, redaktor; BELITSKAYA, A.M., izdatel'skiy redaktor; GLADKIKH, N.N., tekhnicheskiy redaktor

[Laboratory manual for the course "Metal cutting and cutting tools."] Rukovodstvo k laboratornym rabotam po kursu "Rezanie metallov i rezhushchii instrument." Pod red. B.E.Brushteina. Moskva, Gos. izd-vo obor. promyshl., 1957. 91 p. (MLRA 10:1)
(Metal cutting) (Cutting tools)

YEGOROV, S.V.

DUDKO, D.A.; VINOGRADSKIY, F.M.; YEGOROV, S.V.

Sectional welding device for automatic welding of gas pipeline sections in field conditions. Avtom.svar. 10 no.6:93-94 N-D '57. (MIRA 11:1)

1.Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O. Patona AN USSR.
(Pipelines--Welding)
(Electric welding--Equipment and supplies)

YEGOROV, S.V.

25(1) PHASE I BOOK EXPLOITATION SOV/1301

Krivoukhov, Vasiliy Aleksandrovich, Boris Yefimovich Brushteyn, Sergey Vasil'yevich Yegorov, Arkadiy Grigor'yevich Chervyakov, Nikolay Alekseyevich Chelobov (Deceased), Mikhail Antonovich Myakishev, Vladimir Georgiyevich Bovin, Petr Grigor'yevich Petrukha, and Petr Dmitriyevich Bespakhotnyy

Obrabotka metallov rezaniyem (Metal Cutting) Moscow, Oborongiz, 1958. 627 p. 20,000 copies printed.

Reviewer: Klushin, M.I.; Ed. (Title page): Krivoukhov, V.A.; Ed. (Inside book): Arshinov, V.A., Candidate of Technical Sciences, Docent; Ed. of Publishing House: Suvorova, I.A.; Tech. Ed.: Rozhin, V.P.; Managing Ed.: Sokolov, A.I., Engineer.

PURPOSE: This textbook is for aeronautical vuzes giving a course on metal cutting.

COVERAGE: The book discusses in a concise form the physical fundamentals of metal-cutting processes using various types of tools and emphasizing the special features required for the aviation industry. A description and the basic designs of standard metal-cut-

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